



SEQUENCE LISTING

<110> Sasaki, Yukiko
Nagano, Yukio
Inaba, Takehito

<120> Light Repressible Promoter

<130> 46216

<140> US 09/700,187

<141> 2000-11-13

<150> PCT/JP00/01269

<151> 2000-3-03

<160> 40

<170> PatentIn ver. 2.0

<210> 1

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<213> Pisum sativum cv. Alaska

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<223> Nucleotide sequence for a core region of light repressible
promoter from the pea small GTPase gene

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ggattttaca gt

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<210> 2

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<223> Nucleotide sequence for a cis element of light repressible
promoter from the pea small GTPase gene

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atgtctgagg attttacagt aataaagaaa cga 93

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<213> pisum sativum cv. Alaska

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<223> Nucleotide sequence for a light repressible promoter from the
pea small GTPase gene

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<210> 4

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<210> 5

<211> 22

<212> DNA

<213> Artificial Sequence

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<223> NcoI primer used in Example 3

<400> 5

ggtccatggt cttgtcaaga tc 22

<210> 6

<211> 21

<212> DNA

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<223> Primer used for preparing PL1 in Example 3

<400> 6

gggaagcttt aaaggcaagg g 21

<210> 7

<211> 23

<212> DNA

<213> Artificial Sequence

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<223> Primer used for preparing PL3 in Example 3

<400> 7

acgtaaagct taaaaattca ccc 23

<210> 8

<211> 25

<212> DNA

<213> Artificial Sequence

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<223> Primer used for preparing PL4 in Example 3

<400> 8

aaataaagct taaaagtaac acata 25

<210> 9

<211> 27

<212> DNA

<213> Artificial Sequence

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<223> Primer used for preparing PL4B in Example 3

<400> 9

gtactgcagt cagacatgat taacaag

27

<210> 10

<211> 24

<212> DNA

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<223> Primer used for preparing PL5 in Example 3

<400> 10

aaagaagctt gtagcccaa acaa

24

<210> 11

<211> 30

<212> DNA

<213> Artificial Sequence

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<223> Primer used for preparing LS1 in Example 3

<400> 11

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<210> 12

<211> 35

<212> DNA

<213> Artificial Sequence

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<223> Primer used for preparing LS2 in Example 3

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aagcttgctc gactgcagta cagtaataaa gaaac

<210> 13

<211> 42

<212> DNA

<213> Artificial Sequence

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<223> Primer used for preparing LS3 in Example 3

<400> 13

aagcttgtct gaggatttct gcagaataaa gaaacgaggt ag

42

<210> 14

<211> 48

<212> DNA

<213> Artificial Sequence

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<223> Primer used for preparing LS4 in Example 3

<400> 14

aagcttgtct gaggatttta cagtctgcag gaaacgaggt agcccaaa

48

<210> 15

<211> 52

<212> DNA

<213> Artificial Sequence

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<223> Primer used for preparing LS5 in Example 3

<400> 15

aagcttgtct gaggatttta cagtaataaa ctgcagaggt agcccaaaca ag

52

<210> 16

<211> 30

<212> DNA

<213> Artificial Sequence

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<223> Primer used for preparing PL2 in Example 3

<400> 16

tcaatgggac acgctgcctg accaccatgt

30

<210> 17

<211> 31

<212> DNA

<213> Artificial Sequence

<220>

<223> pUC19 primer used in Example 3

<400> 17

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31

<210> 18

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer used for preparing PL6 in Example 3

<400> 18

tgtcggtgca aaaaatgaaa ccccaaactt

30

<210> 19

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer used for preparing PL7 in Example 3

<400> 19

aatgtttatc ccttgacac atttcacatc

30

<210> 20

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer used for preparing PL8 in Example 3

<400> 20

gcaaaacatc acaacctcta gaaac

25

<210> 21

<211> 39

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer used for preparing PL4c in Example 3

<400> 21

gtttggctgc agtcgtttct ttattactgt aaaatcctc

39

<210> 22

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<212> DNA

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<223> Primer used for preparing PL4C in Example 3

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caatactgca gtatatgtta tgatataata tgatgcagc

39

<210> 23

<211> 25

<212> DNA

<213> Artificial Sequence

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<223> gF primer used for preparing gF1 in Example 3

<400> 23

tactgcagaa aagtaacaca tatTT

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<210> 24

<211> 31

<212> DNA

<213> Artificial Sequence

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<223> Primer used for preparing gF1 in Example 3

<400> 24

tggtgatatt gtttagatat catattattg c

31

<210> 25

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer used for preparing GF2 in Example 3

<400> 25
atgatatcca agggatttgg aaat 24

<210> 26

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer used for preparing GF3 in Example 3

<400> 26
gtgatatcgg gataaacatt ttaagg 26

<210> 27

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer used for preparing GF4 in Example 3

<400> 27
ttgatatccc gacaaagatc acac 24

<210> 28

<211> 24

<212> DNA

<213> Artificial Sequence

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<223> Primer used for preparing gF5 in Example 3

<400> 28
gggatatctc gtttctttat tact 24

<210> 29

<211> 31

<212> DNA

<213> Artificial Sequence

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<223> Synthetic DNA WT1 used in Example 8

<400> 29

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31

<210> 30

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<212> DNA

<213> Artificial Sequence

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<223> Synthetic DNA WT2 used in Example 8

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31

<210> 31

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<212> DNA

<213> Artificial Sequence

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<223> Synthetic DNA MT1 used in Example 8

<400> 31

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<210> 32

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<223> Synthetic DNA MT2 used in Example 8

<400> 32

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<210> 33

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<223> Primer 35S46UP used in Example 9

<400> 33

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<210> 34

<211> 30

<212> DNA

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<223> Primer KZ35SDW used in Example 9

<400> 34

ttccatggaa agctgcctag gagatcctct 30

<210> 35

<211> 54

<212> DNA

<213> Artificial Sequence

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<223> Origonucleotide WT3 used in Example 9

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<210> 36

<211> 53

<212> DNA

<213> Artificial Sequence

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<223> Origonucleotide WT4 used in Example 9

<400> 36

attactgtaa aatcctcaat tactgtaaaa tcctcaatta ctgtaaaatc tca 53

<210> 37

<211> 26

<212> DNA

<213> Artificial Sequence

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<223> Primer 18X9RMDW used in Example 9

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26

<210> 38

<211> 30

<212> DNA

<213> Artificial Sequence

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<223> Primer 18X9RMUP used in Example 9

<400> 38

agcggccgcc agtgtggata tcattactgt

30

<210> 39

<211> 54

<212> DNA

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<223> Primer MT3 used in Example 9

<400> 39

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54

<210> 40

<211> 54

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer MT4 used in Example 9

<400> 40

attacgggaa aagcctcaat tacgggaaaa gcctcaatta cgggaaaagc ctca

54